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Agricultural Memorandum No 491

Areas of Moderate Sensitivity to Reduced Spring Sowing Schedule

L P Smith

Continuing the analysis of Agricultural Memorandum No 490, there are a further 9 stations which appear to have a moderate response to schedule reduction, lying in the following counties:-

Northampton	Hertford	Nottingham
Berkshire	Essex	Cambridge
Surrey	Dorset	Bedford

In these areas the yield loss is reduced approximately as follows:-

With good drainage	0.4% per day
moderate drainage	0.5% per day
poor drainage	0.8% per day
bad drainage	1.2% per day

or approximately 2/3rds of the gain in the high sensitivity areas.

Any comments or suggestions on this paper should be referred to the author.

Meteorological Office
Bracknell

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Areas of Moderate Sensitivity to Reduced Schedules

Percentage loss of Yield (1949-68)

Class A Drainage	Schedules			Index
	7	10	14	
Wellingborough (Northants)	1.7	3.0	5.0	0.5
Reading (Berks)	1.3	2.3	4.0	0.4
Wisley (Surrey)	1.9	3.0	4.8	0.4
Cambridge	0.3	1.1	3.1	0.4
Watford (Herts)	1.5	2.3	4.1	0.4
Writtle (Essex)	0.4	1.6	3.5	0.4
Wimborne (Dorset)	1.9	3.0	4.6	0.4
Bedford	1.1	2.0	3.9	0.4
Nottingham	1.2	2.2	3.5	0.3
MEAN	1.26	2.28	4.06	0.40
Class B Drainage				
Wellingborough	3.5	5.1	7.8	0.6
Cambridge	1.0	2.6	4.9	0.6
Watford	2.4	3.7	6.3	0.6
Nottingham	2.2	3.6	6.1	0.6
Reading	2.5	4.0	6.3	0.5
Wisley	2.9	4.4	6.3	0.5
Writtle	1.2	2.6	4.9	0.5
Wimborne	3.5	4.6	7.2	0.5
Bedford	2.3	3.4	5.8	0.5
MEAN	2.39	3.78	6.18	0.54

Class C Drainage	Schedules			
	7	10	14	Index
Wellingborough	5.4	7.5	12.3	1.0
Wisley	4.9	6.9	11.3	0.9
Reading	4.5	6.6	10.4	0.8
Cambridge	2.6	4.3	8.3	0.8
Watford	3.7	5.9	9.5	0.8
Writtle	2.3	4.4	8.2	0.8
Wimborne	4.9	6.7	10.6	0.8
Bedford	3.7	5.4	8.9	0.8
Nottingham	3.7	5.3	8.6	0.7
MEAN	3.97	5.77	9.79	0.84

Class D Drainage				
Reading	5.9	9.4	15.6	1.4
Wisley	6.3	9.2	15.2	1.3
Wellingborough	7.5	11.0	16.0	1.2
Cambridge	4.1	6.9	12.8	1.2
Watford	4.9	8.2	13.5	1.2
Writtle	3.6	6.9	11.8	1.2
Nottingham	5.7	8.4	14.0	1.2
Wimborne	6.4	9.5	13.8	1.1
Bedford	4.9	7.4	11.9	1.0
MEAN	5.48	8.54	13.84	1.20